

# **Knobbe Martens Olson & Bear LLP**

*Intellectual Property Law*

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415-217-3512  
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October 2, 2008

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: Title: USE OF ANTIBODIES AGAINST THE MUC18 ANTIGEN  
Letters Patent No. 7,090,844  
Issued: August 15, 2006  
Our Reference: ABGENIX.030C1

Dear Sir:

Enclosed for filing is a Certificate of Correction in connection with the above-identified patent.

As the errors cited in the Certificate of Correction were incurred through the fault of the Patent Office, no fee is believed to be required. However, please charge our Deposit Account No. 11-1410 for any fees that may be incurred with this request.

Respectfully submitted,

Knobbe, Martens, Olson & Bear, LLP

Susan L. Wang  
Registration No. 53,742  
Customer No. 20,995

Enclosures

5476859  
060508

**Orange County  
949-760-0404**

**San Diego  
619-235-8550**

**Los Angeles  
310-551-3450**

**Riverside  
951-781-9231**

**Seattle  
206-405-2000**

**Washington, DC  
202-640-6400**

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : 7,090,844  
APPLICATION NO. : 10/660,357  
ISSUE DATE : August 15, 2006  
INVENTOR(S) : Bar-Eli et al.

Page 1 of 29

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the first page, Col. 1 (Assignee), line 1, please delete "Fremont, CA (US)" and insert --6701 Kaiser Drive, Fremont, CA (US) 94555--, therefor.

On the first page, Col. 2 (Other Publications), line 5, please delete "Onocology," and insert --Oncology--, therefor.

On the first page, Col. 2 (Other Publications), line 8, please delete "Bio," and insert --Bio--, therefor.

On the first page, Col. 2 (Other Publications), line 17, after "Receptor-Targeted" please insert --Therapy--.

On the first page, Col. 1 (Other Publications), line 2, please delete "Long" and insert --Longo--, therefor.

On Page 2, Col. 1 (Other Publications), line 27, please delete "of" and insert --on--, therefor.

On Page 2, Col. 1 (Other Publications), line 31, please delete "ovarian" and insert --ovarian--, therefor.

On Page 2, Col. 1 (Other Publications), line 38, please delete "T-Lymphocytes,"" and insert --T Lymphocytes,"--, therefor.

On Page 2, Col. 1 (Other Publications), line 55, please delete "Spread<sup>1</sup>" and insert --Spread<sup>1</sup>--, therefor.

On Page 2, Col. 1 (Other Publications), line 62, please delete "Breat" and insert --Breast--, therefor.

On Page 2, Col. 1 (Other Publications), line 64, please delete "Trough" and insert --Through--, therefor.

On Page 2, Col. 2 (Other Publications), line 18, please delete "treatment" and insert --treatment--, therefor.

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DOCKET NO. ABGENIX.030C1

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On Page 2, Col. 2 (Other Publications), line 32, please delete "transplant" and insert --transplant--, therefor.

On Page 2, Col. 1 (Other Publications), line 58, please delete "62:5108" and insert --62:5106--, therefor.

In Col. 1, line 39, please delete "Devel," and insert --Devel.,--, therefor.

In Col. 2, line 57, please delete "MUC-18" and insert --MUC18--, therefor.

In Col. 3, line 39, please delete "MUC 18;" and insert --MUC18;--, therefor.

In Col. 7, line 40, please delete "85)." and insert --85),--, therefor.

In Col. 7, line 52, please "microbiology" and insert --Microbiology--, therefor.

In Col. 8, line 14, please delete "MUC 18;" and insert --MUC18;--, therefor.

In Col. 8, line 51, please delete "lymphomma," and insert --lymphoma,--, therefor.

In Col. 8, line 67, please delete "glycoproteeins" and insert --glycoproteins--, therefor.

In Col. 9, line 24, please delete "Biol" and insert --Biol.,--, therefor.

In Col. 9, line 25, please delete "et al." and insert --et al.,--, therefor.

In Col. 9, line 44, please delete "e" and insert --ε,--, therefor.

In Col. 9, line 45, please delete "subuniit" and insert --subunit--, therefor.

In Col. 10, line 16, please delete "pertinacious" and insert --proteinaceous--, therefor.

In Col. 12, line 33, please delete "Carrying" and insert --Carrying--, therefor.

In Col. 13, line 22, please delete "MC11" and insert --MC.-11--, therefor.

In Col. 13, line 53-54, please delete "hydroxylapatiite" and insert --hydroxylapatite--, therefor.

In Col. 14, line 39, please delete "oncoproteiin" and insert --oncoprotein--, therefor.

In Col. 15, line 32 (approx.), please delete "et al," and insert --et al.,--, therefor.

In Col. 21, lines 39-42 (approx.), please delete "Forward primer: 5'-ATATTACGAATTCACT-

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APPLICATION NO. : 10/660,357

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INVENTOR(S) : Bar-Eli et al.

TGCGTCTGCCCTCCGG-3'(SEQ ID NO :83) Reverse primer: 5'-

CAGCTTAGAGCTAGCCGGCTCTCCG-GCTCCGGCA-3'(SEQ ID NO:-14 84)"

In Col. 23, line 24, please delete "c6.12," and insert --c6.12--, therefor.

In Col. 23, line 36, please delete "(c6.11)," and insert --(c6.11).--, therefor.

In Col. 24, line 13 (approx.), please delete "400µl" and insert --400 µl--, therefor.

In Col. 24, line 27, please delete "nonrmetastatic" and insert --nonmetastatic--, therefor.

In Col. 26, line 59 (approx.), please delete "pnase," and insert --phase--, therefor.

In Col. 27, line 59, please delete "anti-MUC 18" and insert --anti-MUC18--, therefor.

In Col. 28, line 44 (approx.), please delete "Matrigel- Coated" and insert --Matrigel-Coated--, therefor.

In Col. 57, please insert:

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<211> 97

<212> PRT

<213> Homo sapiens

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Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
1 5 10 15

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20 25 30

Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile  
35 40 45

Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu  
65 70 75 80

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

Arg

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<210> 42  
<211> 96  
<212> PRT  
<213> Homo sapiens

<400> 42  
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20 25 30  
Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile  
35 40 45  
Gly Tyr Ile Tyr Tyr Ser Ser Thr Asn Tyr Asn Pro Ser Leu Lys Ser  
50 55 60  
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35 40 45  
Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60  
Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

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65                    70                    75                    80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro  
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<211> 93

<212> PRT

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20                    25                    30

Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35                    40                    45

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser  
50                    55                    60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu  
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<213> Homo sapiens

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1                    5                    10                    15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly  
20                    25                    30

Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu

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35                          40                          45  
  
Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser  
50                          55                          60  
Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe  
65                          70                          75                          80  
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20                          25                          30  
Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu  
35                          40                          45  
Trp Ile Gly Phe Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser  
50                          55                          60  
Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe  
65                          70                          75                          80  
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85                          90                          95  
Cys Ala Arg

<210> 47  
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<212> PRT  
<213> Homo sapiens

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<400> 47

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15  
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Asp  
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35 40 45  
Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60  
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
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<213> Homo sapiens

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20 25 30  
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35 40 45  
Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60  
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80  
Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln His Asn Ser Tyr Pro  
85 90 95

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<210> 49  
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<212> PRT  
<213> Homo sapiens

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20 25 30  
Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile  
35 40 45  
Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60  
Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu  
65 70 75 80  
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85 90 95  
Arg

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Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Tyr  
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Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile  
35 40 45  
Gly Tyr Ile Tyr Tyr Ser Ser Asn Tyr Asn Pro Ser Leu Lys Ser  
50 55 60  
Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys  
65 70 75 80

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Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
85 90 95

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35 40 45  
Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60  
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20 25 30  
Leu Gly Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Arg Leu Ile  
35 40 45  
Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly

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50	55	60													
Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
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85															

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<213> Homo sapiens

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															45
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Gln	Gly	Arg	Val	Thr	Met	Thr	Thr	Asp	Thr	Ser	Thr	Ser	Thr	Ala	Tyr
65															80
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<400> 54

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala

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1	5	10	15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ser Tyr Gly			
20	25		30
Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Leu Gly Trp			
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Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu Gln Gly			
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Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser			
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Ser Asn Asn Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln			
35	40	45	
Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val			
50	55	60	
Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr			
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Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln			
85	90		95
Tyr Tyr Ser Thr Pro			
100			

<210> 56

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<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 56

Asp	Ile	Val	Met	Thr	Gln	Ser	Pro	Asp	Ser	Leu	Ala	Val	Ser	Leu	Gly
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				20				25						30	
Asn	Asn	Lys	Asn	Tyr	Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Pro
								40						45	
Pro	Lys	Leu	Leu	Ile	Tyr	Trp	Ala	Ser	Thr	Arg	Glu	Ser	Gly	Val	Pro
								55						60	
Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser
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								85				90		95	
Thr	Pro														

<210> 57  
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<212> PRT  
<213> Homo sapiens

<400> 57

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln
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Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Gly
								25						30	
Gly	Tyr	Tyr	Trp	Ser	Trp	Ile	Arg	Gln	His	Pro	Gly	Lys	Gly	Leu	Glu
								40						45	
Trp	Ile	Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Tyr	Tyr	Asn	Pro	Ser
								55				60			
Leu	Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe
								70				75		80	

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Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
85 90 95  
Cys Ala Arg

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<213> Homo sapiens

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Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15  
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Gly Gly  
20 25 30  
Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu Trp Ile  
35 40 45  
Gly Tyr Ile Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu Lys Ser  
50 55 60  
Arg Ile Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys  
65 70 75 80  
Leu Ser Met Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
85 90 95

<210> 59  
<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 59  
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15  
Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Ser Asn Tyr  
20 25 30  
Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
35 40 45

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DOCKET NO. ABGENIX.030C1

UNITED STATES PATENT AND TRADEMARK OFFICE  
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Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60  
Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80  
Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Tyr Asp Asn Leu Pro  
85 90 95

<210> 60  
<211> 92  
<212> PRT  
<213> Homo sapiens

<400> 60  
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15  
Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Asn Tyr Leu  
20 25 30  
Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr  
35 40 45  
Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly Ser  
50 55 60  
Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Leu Gln Pro Glu Asp  
65 70 75 80  
Ile Ala Thr Tyr Tyr Cys Gln Gln Tyr Asp Leu Pro  
85 90

<210> 61  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 61  
Gln Val Gln Leu Val Glu Ser Gly Gly Val Val Gln Pro Gly Arg  
1 5 10 15  
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr

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20                    25                    30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35                    40                    45  
Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
50                    55                    60  
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65                    70                    75                    80  
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85                    90                    95  
Ala Arg

<210> 62  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 62  
Gln Val Gln Leu Val Glu Ser Gly Gly Val Val Gln Pro Gly Arg  
1                    5                    10                    15  
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20                    25                    30  
Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35                    40                    45  
Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
50                    55                    60  
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65                    70                    75                    80  
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85                    90                    95  
Ala Arg

<210> 63

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<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 63  
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15  
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Asn Tyr  
20 25 30  
Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Val Pro Lys Leu Leu Ile  
35 40 45  
Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60  
Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80  
Glu Asp Val Ala Thr Tyr Tyr Cys Gln Lys Tyr Asn Ser Ala Pro  
85 90 95

<210> 64  
<211> 91  
<212> PRT  
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<400> 64  
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15  
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Asn Tyr Leu  
20 25 30  
Ala Trp Tyr Gln Gln Pro Gly Lys Val Pro Lys Leu Leu Ile Tyr Ala  
35 40 45  
Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly  
50 55 60  
Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp  
65 70 75 80  
Val Ala Thr Tyr Tyr Cys Gln Lys Phe Ser Pro  
85 90

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<210> 65  
<211> 99  
<212> PRT  
<213> Homo sapiens

<400> 65  
Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15  
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly  
20 25 30  
Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu  
35 40 45  
Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser  
50 55 60  
Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe  
65 70 75 80  
Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
85 90 95  
Cys Ala Arg

<210> 66  
<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 66  
Gln Val Gln Leu Ser Gly Pro Gly Leu Val Lys Pro Ser Thr Leu Ser  
1 5 10 15  
Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly Tyr His Trp  
20 25 30  
Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu Trp Ile Gly Tyr  
35 40 45  
Ile Tyr Tyr Ser Gly Ser Thr Tyr His Asn Pro Ser Leu Lys Ser Arg

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50                    55                    60

Ile Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys Leu  
65                    70                    75                    80  
Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
85                    90                    95

<210> 67

<211> 107

<212> PRT

<213> Homo sapiens

<400> 67

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly  
1                    5                    10                    15  
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Ile Ser Asn Asn  
20                    25                    30  
Phe Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile  
35                    40                    45  
Phe Gly Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly  
50                    55                    60  
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser  
65                    70                    75                    80  
Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro Arg  
85                    90                    95  
Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys  
100                    105

<210> 68

<211> 93

<212> PRT

<213> Homo sapiens

<400> 68

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly

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1	5	10	15		
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Ile Ser Asn Ala					
	20	25	30		
Trp	Tyr	Gln	Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile Phe Gly		
		35	40	45	
Ala	Ser	Thr	Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly		
		50	55	60	
Ser	Gly	Thr	Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp		
		65	70	75	80
Phe	Ala	Val	Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro		
		85	90		

<210> 69

<211> 97

<212> PRT

<213> Homo sapiens

<400> 69

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu					
1	5	10	15		
Thr	Leu	Ser	Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Tyr		
		20	25	30	
Tyr	Trp	Ser	Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile		
		35	40	45	
Gly	Tyr	Ile	Tyr Tyr Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys		
		50	55	60	
Ser	Arg	Val	Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu		
		65	70	75	80
Lys	Leu	Ser	Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala		
		85	90	95	

Arg

<210> 70

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<211> 94  
<212> PRT  
<213> Homo sapiens

<400> 70  
Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
1 5 10 15  
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Tyr  
20 25 30  
Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile  
35 40 45  
Gly Tyr Ile Tyr Tyr Ser Gly Thr Tyr Asn Pro Ser Leu Lys Ser Arg  
50 55 60  
Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys Leu  
65 70 75 80  
Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
85 90

<210> 71  
<211> 100  
<212> PRT  
<213> Homo sapiens

<400> 71  
Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly  
1 5 10 15  
Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Leu His Ser  
20 25 30  
Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln Lys Pro Gly Gln Ser  
35 40 45  
Pro Gln Leu Leu Ile Tyr Leu Gly Ser Asn Arg Ala Ser Gly Val Pro  
50 55 60  
Asp Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile  
65 70 75 80  
Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln Ala  
85 90 95

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Leu Gln Thr Pro  
100

<210> 72

<211> 96

<212> PRT

<213> Homo sapiens

<400> 72

Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Pro Gly Glu  
1 5 10 15

Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Leu Ser Asn Gly  
20 25 30

Asn Tyr Leu Asp Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro Gln Leu  
35 40 45

Leu Ile Tyr Leu Gly Ser Asn Arg Ala Ser Gly Val Pro Asp Arg Phe  
50 55 60

Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val  
65 70 75 80

Glu Ala Asp Asp Val Gly Ile Tyr Tyr Cys Met Gln Ala Leu Gln Pro  
85 90 95

<210> 73

<211> 99

<212> PRT

<213> Homo sapiens

<400> 73

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Ser Ile Ser Ser Gly  
20 25 30

Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu  
35 40 45

Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser  
50 55 60

Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe

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65                    70                    75                    80  
Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
                      85                    90                    95  
Cys Ala Arg

<210> 74  
<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 74  
Gln Val Gln Leu Ser Gly Pro Gly Leu Val Lys Pro Ser Thr Leu Ser  
1                    5                    10                    15  
Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly Tyr His Trp  
20                    25                    30  
Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu Trp Ile Gly Tyr  
35                    40                    45  
Ile Tyr Tyr Ser Gly Ser Thr Tyr His Asn Pro Ser Leu Lys Ser Arg  
50                    55                    60  
Ile Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys Leu  
65                    70                    75                    80  
Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
85                    90                    95

<210> 75  
<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 75  
Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly  
1                    5                    10                    15  
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Asn

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20                    25                    30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile  
35                    40                    45  
Tyr Gly Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly  
50                    55                    60  
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser  
65                    70                    75                    80  
Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro  
85                    90                    95

<210> 76

<211> 93

<212> PRT

<213> Homo sapiens

<400> 76

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly  
1                    5                    10                    15  
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Ile Ser Asn Ala  
20                    25                    30  
Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile Phe Gly  
35                    40                    45  
Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly  
50                    55                    60  
Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp  
65                    70                    75                    80  
Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro  
85                    90

<210> 77

<211> 99

<212> PRT

<213> Homo sapiens

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<400> 77

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15  
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly  
20 25 30  
Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu  
35 40 45  
Trp Ile Gly Tyr Ile Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser  
50 55 60  
Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe  
65 70 75 80  
Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
85 90 95  
Cys Ala Arg

<210> 78

<211> 98

<212> PRT

<213> Homo sapiens

<400> 78

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15  
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly  
20 25 30  
Tyr His Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu Trp  
35 40 45  
Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu  
50 55 60  
Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser  
65 70 75 80  
Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

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Ala Arg

<210> 79

<211> 95

<212> PRT

<213> Homo sapiens

<400> 79

Glu	Ile	Val	Met	Thr	Gln	Ser	Pro	Ala	Thr	Leu	Ser	Val	Ser	Pro	Gly
1				5					10					15	
Glu	Arg	Ala	Thr	Leu	Ser	Cys	Arg	Ala	Ser	Gln	Ser	Val	Ser	Ser	Asn
	20							25					30		
Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ala	Pro	Arg	Leu	Leu	Ile
		35				40					45				
Tyr	Gly	Ala	Ser	Thr	Arg	Ala	Thr	Gly	Ile	Pro	Ala	Arg	Phe	Ser	Gly
	50				55				60						
Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Ser
	65				70				75				80		
Glu	Asp	Phe	Ala	Val	Tyr	Tyr	Cys	Gln	Gln	Tyr	Asn	Asn	Trp	Pro	
			85					90					95		

<210> 80

<211> 105

<212> PRT

<213> Homo sapiens

<400> 80

Glu	Ile	Val	Met	Thr	Gln	Ser	Pro	Ala	Thr	Leu	Ser	Val	Ser	Pro	Gly
1				5					10					15	
Glu	Arg	Ala	Thr	Leu	Ser	Cys	Arg	Ala	Ser	Gln	Ser	Val	Ser	Asn	Leu
	20							25					30		
Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ala	Pro	Arg	Leu	Leu	Ile	Tyr
	35				40				45						
Gly	Ala	Ser	Thr	Arg	Ala	Thr	Gly	Ile	Pro	Ala	Arg	Phe	Ser	Gly	Ser
	50				55				60						
Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Ser	Glu

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65	70	75	80
Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro Trp Gly			
85                    90                    95			
Gln Gly Thr Leu Val Thr Val Ser Ser			
100                105			

<210> 81  
<211> 106  
<212> PRT  
<213> Homo sapiens

<400> 81

Gln	Val	Gln	Leu	Glu	Gln	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
1				5				10					15		
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Gly
				20			25					30			
Thr	Tyr	His	Trp	Ser	Trp	Ile	Arg	Gln	His	Pro	Gly	Arg	Gly	Leu	Glu
				35		40					45				
Trp	Ile	Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Tyr	His	Asn	Pro	Ser
	50				55					60					
Leu	Lys	Ser	Arg	Ile	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe
65					70				75				80		
Ser	Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr
					85			90					95		
Cys	Ala	Arg	Gly	Gly	Asp	Gly	Tyr	Arg	Tyr						
					100			105							

<210> 82  
<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 82  
Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly

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DOCKET NO. ABGENIX.030C1

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : 7,090,844  
APPLICATION NO. : 10/660,357  
ISSUE DATE : August 15, 2006  
INVENTOR(S) : Bar-Eli et al.

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1	5	10	15												
Glu	Arg	Ala	Thr	Leu	Ser	Cys	Arg	Ala	Ser	Gln	Ser	Val	Ser	Ser	Asn
				20				25					30		
Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ala	Pro	Arg	Leu	Leu	Ile
				35				40				45			
Tyr	Gly	Ala	Ser	Thr	Arg	Ala	Thr	Gly	Ile	Pro	Ala	Arg	Phe	Ser	Gly
				50				55			60				
Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Ser
				65				70			75			80	
Glu	Asp	Phe	Ala	Val	Tyr	Tyr	Cys	Gln	Gln	Tyr	Asn	Asn	Trp	Pro	
				85				90					95		

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<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide primer sequence

<400> 83

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<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide primer sequence

<400> 84

cagcttagag ctagccggct ctccggctcc ggca

34

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INVENTOR(S) : Bar-Eli et al.

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<400> 89	

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gagatggcta caa

13

<210> 90  
<211> 11  
<212> DNA  
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<400> 90  
gagatggcta c

11--

In Col. 58, line 21, claim 15, please delete "9, 13," and insert --9, 13--, therefor.

5473563; 060408

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